

Childhood Lead Poisoning Prevention

Memphis/Shelby County Tennessee



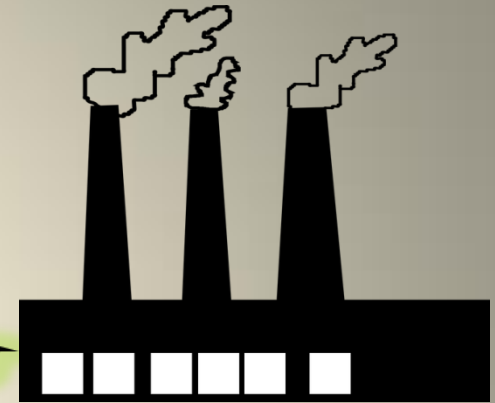
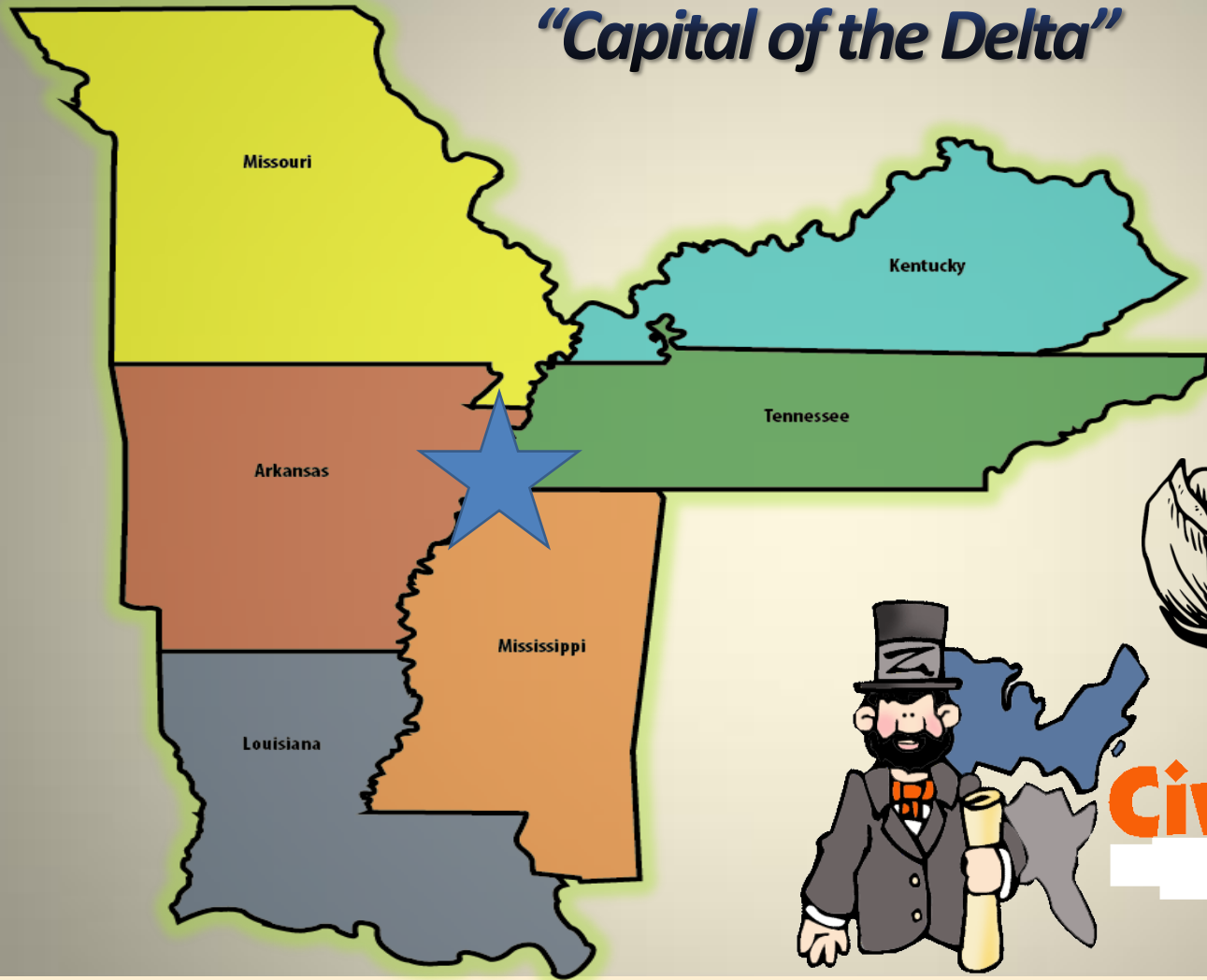
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2018 Environmental Show of the South (ESOS) Convention
Chattanooga, Tennessee September 2018

Disclosure Statement

There are no financial disclosures or conflicts of interest to report regarding the content in this presentation.

**Shelby County Health Department
Elizabeth Shockley**

Shelby County Tennessee *known as the* *"Capital of the Delta"*



Civil War



Public Health
Prevent. Promote. Protect.
Shelby County Health Department

Shelby County Tennessee

Total Population: 927,644

- 52.1 % - Black/African American
- 40.6 % - White/Caucasian
- 5.6 % - Latino/Hispanic
- 1.7 % - Other



338,366 - Households

- 34.50 % have children
 - 3 children/household average
- Income median = \$39,593/yr
- Income Per capita = \$20,856/yr
- 170,736 people (18%) are living below the poverty line.
 - 26.4 % are < 18 yrs old
 - 10.30 % are over 65



HOUSING STOCK – Memphis, TN

- Housing Stock *pre 1950* – 398,274 units

Occupied – 349,775

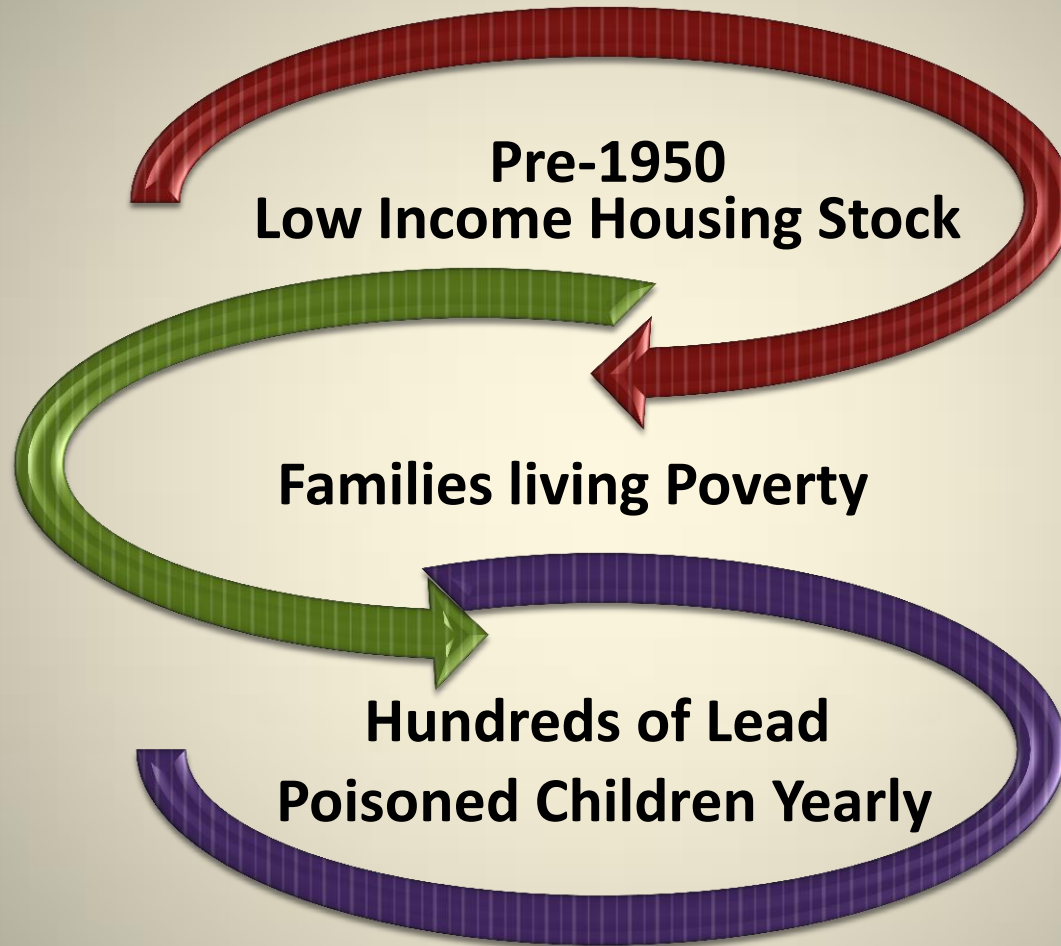
- Owner Occupied – 212,016
- Rental – 137,759

Vacant – 48,499

What happens when you combine old housing stock and an impoverished community?

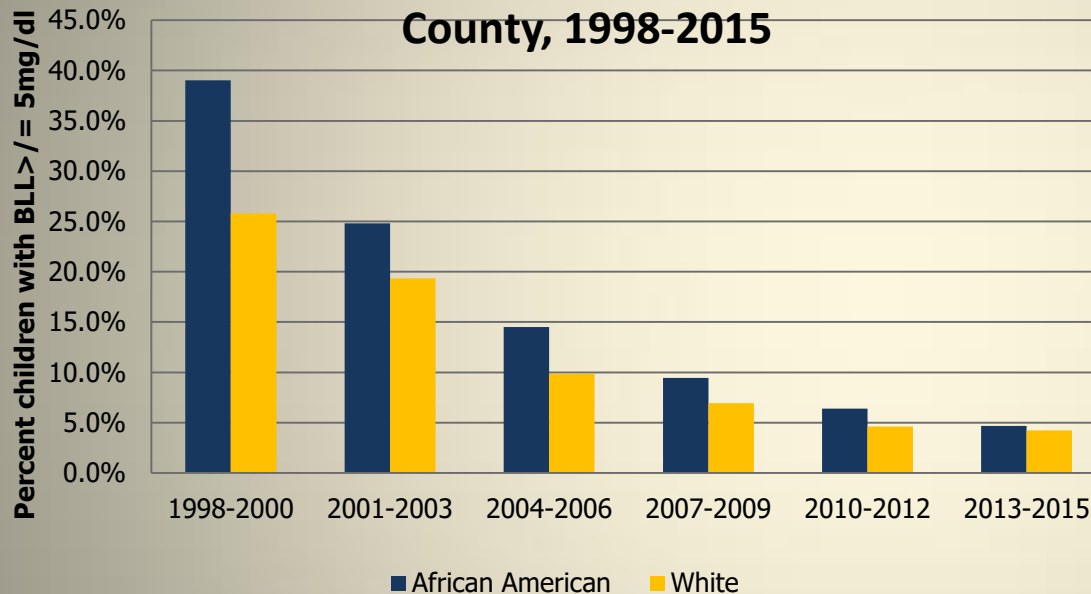


The Lead Poisoning Equation



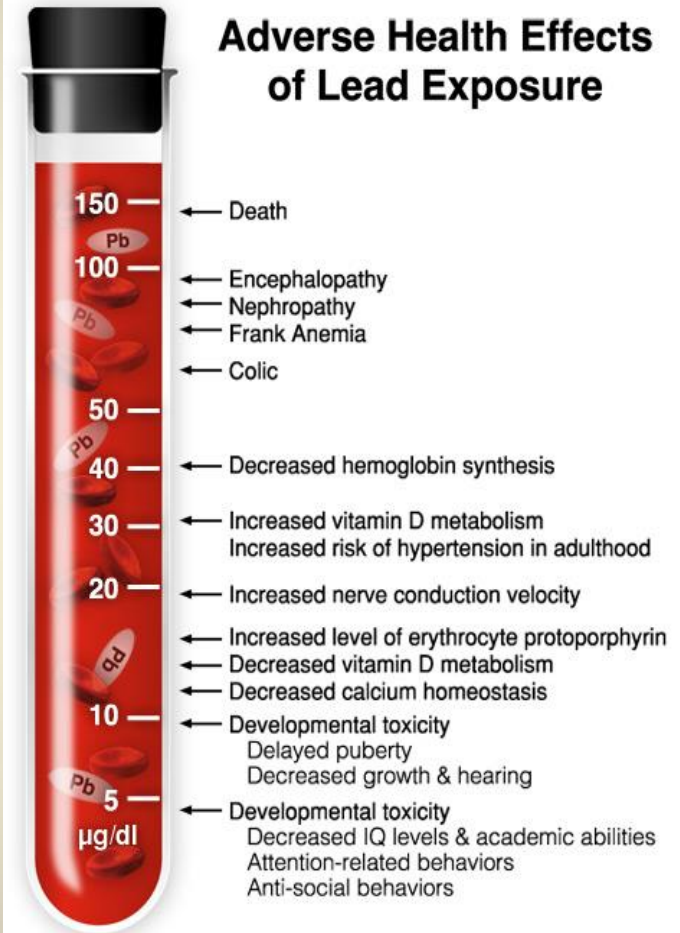
Lead Poisoning – Memphis, TN

Elevated Blood Lead Screening Tests for Children aged 0-5 years by Race, Shelby County, 1998-2015



Note: Percent of screening tests with missing data for race has increased most years and ranges from 35% to 70%

Adverse Health Effects of Lead Exposure

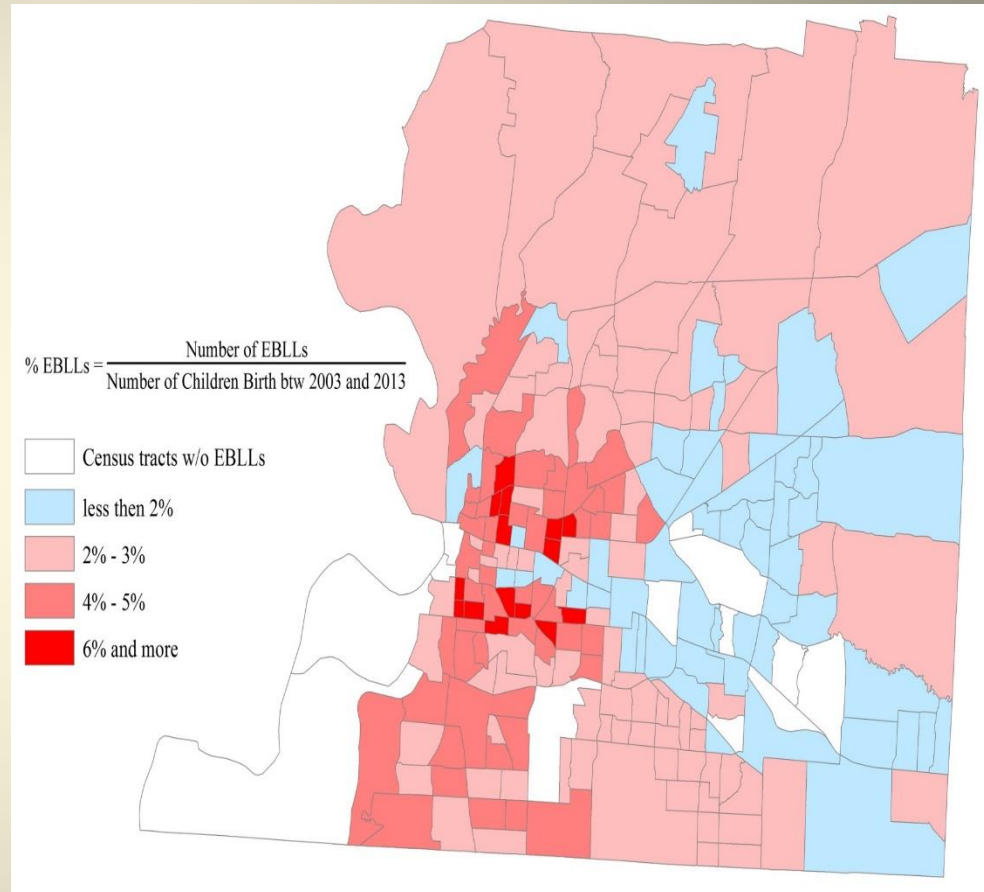


LEAD POISONING RATE BY ZIP CODE

Place Matters

Lead Poisoning rates are not evenly distributed across Shelby County. Zip Codes with the Highest Lead Poisoning Rates Have:

- High Poverty Rates
- High Unemployment
- Low Educational Attainment
- High Crime Rate
- Food Desserts
- Transportation Concerns
- Socioeconomic Conditions



Data Source: Shelby County Health Department Office of Epidemiology and Infectious Diseases, prepared from State of Tennessee Lead Tracking and Surveillance System, 2012– 2016.

What Accounted for POSTIVE changes in lowering the Lead Poisoning Rate?

Partnerships/
Collaborations

Programs/
Projects/
Initiatives

Collective
Impact

Shelby County Tennessee

7 Municipalities



Legend

- 1 - Millington
- 2 - Bartlett
- 3 - Lakeland
- 4 - Arlington
- 5 - City of Memphis
- 6 - Germantown
- 7 - Collierville



Agency PARTNERING

- Housing Agencies/Funding
- Medical Centers/Clinics
- Educational System
- Faith Based Organizations
- National Initiatives



Shelby County Health Department's Efforts to Reduce and Eliminate Lead Poisoning

The Memphis Childhood Lead Poisoning Prevention Program (MCLPPP) is committed to eliminating lead poisoning throughout Shelby County. This program is unique in the State of Tennessee in that it constitutes a successful collaborative of grant-funded efforts between The Shelby County Health Department, Tennessee Department of Health, The City of Memphis Housing and Community Development, and The Shelby County Department of Housing.

Strategies include:

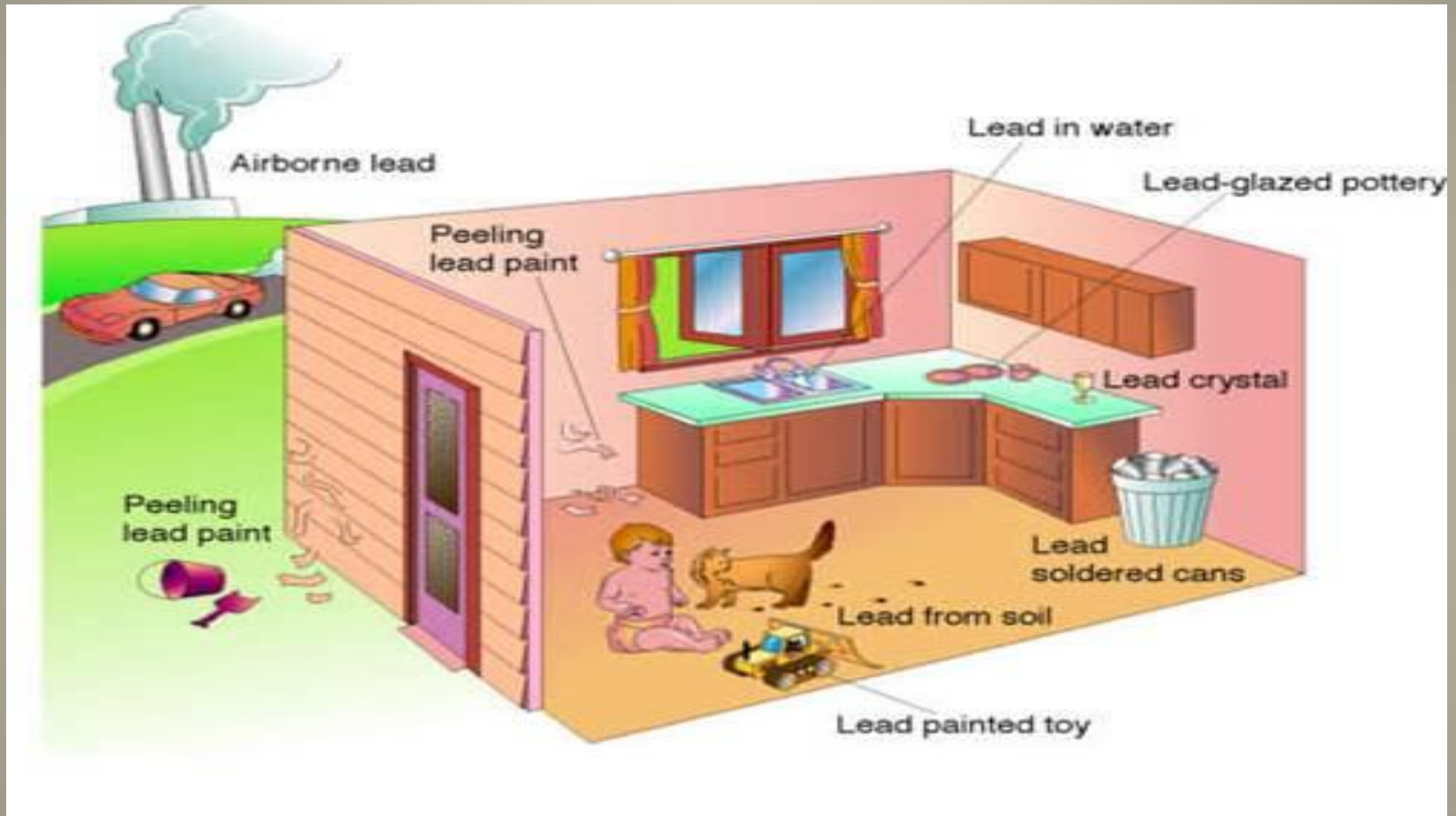
- ✿ Increase blood Lead Screenings to children residing in high risk communities
- ✿ Develop and implement a series of preventative exposure educational plans
- ✿ Increase the number of “Lead Safe” housing units
- ✿ Ensure a strong public health infrastructure, to provide a comprehensive medical case management Program
- ✿ Decrease the rate of Lead Poisoning in children under 6 years old

Partnering for Lead Safe Communities

The recommendations present many layers of responsibility to achieve the vision of a **“Lead Safe Community”**. The following chart will detail and indicate some of the partnerships that have been established to eliminate Lead Poisoning in Shelby County



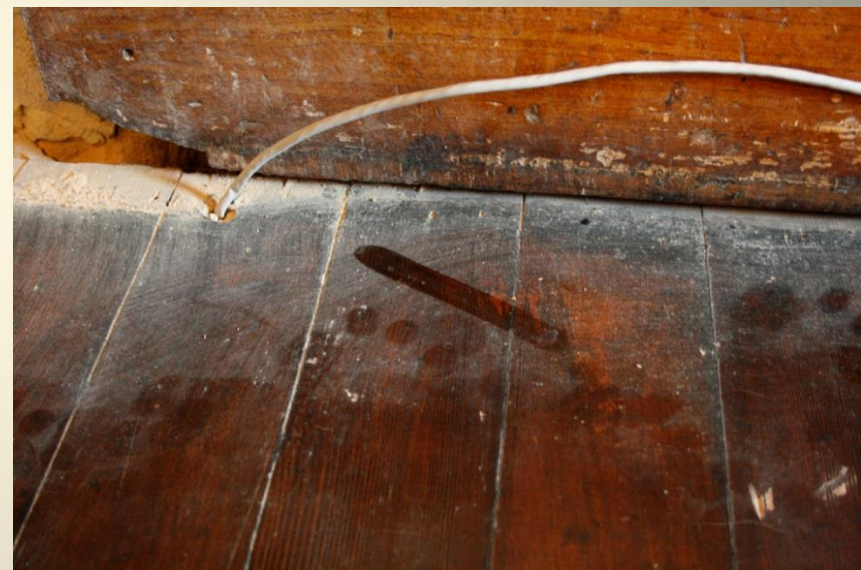
Lead Exposure in the Home



How much lead dust does it take to poison a child?
Less than the size of a sugar packet spread around a two-bedroom house.



**Lead
Poisoned
Child**



HOUSING STOCK – Memphis, TN



Before

Lead Hazard Control Work



After

Lead Hazard Control Work

HOUSING STOCK – Memphis, TN



Before lead hazard control

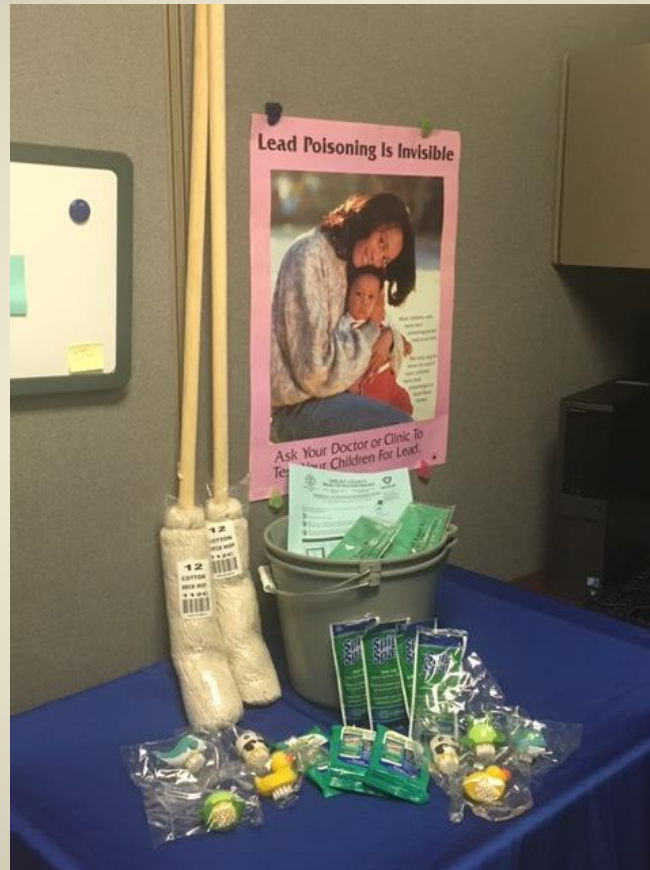


After lead hazard control



Health and Housing

What a great combination!



Screening Opportunities



Special Thanks!

The Shelby County Health Department extends our sincere gratitude to the many community representatives and organizations, including those involved with addressing Lead Poisoning Elimination and who are committed to ensuring every child in Shelby County has the opportunity to live in a Lead safe home.

To join the movement, please visit www.shelbytnhealth.com or call (901) 222-9000.

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Questions?



**Shelby County
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Childhood Lead Poisoning
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**The National Lead
Information Center**
www.epa.gov/lead
1-800-424-5323

**HUD Office of
Healthy Homes and
Lead Hazard Control**
www.hud.gov/offices/lead